10584076

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 AUG 15 CAOLD to be discontinued on December 31, 2008
 NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000
 NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
                  number searching
 NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing
                  enhanced
 NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                  Applications
 NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
                  pre-registered REACH substances
 NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS 9 NOV 26 MARPAT enhanced with FSORT command
 NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
                  availability of new fully-indexed citations
 NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
 NEWS 12 NOV 26 Two new SET commands increase convenience of STN
                  searching
 NEWS 13 DEC 01 ChemPort single article sales feature unavailable

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS   STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN   Welcome Banner and News Items
 NEWS IPC8   For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:51:57 ON 02 DEC 2008

```
=> fil reg
COST IN U.S. DOLLARS                                    SINCE FILE        TOTAL
                                                          ENTRY         SESSION
FULL ESTIMATED COST                                        0.21           0.21

FILE 'REGISTRY' ENTERED AT 15:52:28 ON 02 DEC 2008
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   30 NOV 2008  HIGHEST RN 1077629-73-2
DICTIONARY FILE UPDATES:  30 NOV 2008  HIGHEST RN 1077629-73-2

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
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experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10584076.str
```
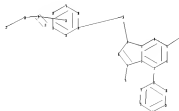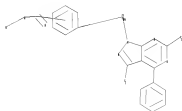
```
chain nodes :
16  19  20  21  22  25  26
ring nodes :
1   2   3   4   5   6   7   8   9   10  11  12  13  14  15  27  28  29  30  31  32
chain bonds :
1-27  5-26  7-25  9-16  15-16  19-21  19-20  20-22
ring bonds :
1-2   1-6   2-3   2-7   3-4   3-9   4-5   5-6   7-8   8-9   10-11  10-15  11-12  12-13  13-14
 14-15  27-28  27-32  28-29  29-30  30-31  31-32
exact/norm bonds :
2-7   3-9   5-26  7-8   7-25  8-9   9-16  19-21  19-20
exact bonds :
1-27  15-16  20-22
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   10-11  10-15  11-12  12-13  13-14  14-15  27-28
27-32  28-29  29-30  30-31  31-32


G1:H,Ak,OH,NH2

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:CLASS  19:CLASS  20:CLASS  21:CLASS
 22:Atom  24:Atom  25:CLASS  26:CLASS  27:Atom  28:Atom  29:Atom  30:Atom  31:Atom
32:Atom
Element Count :
Node 22: Limited
    C,C3-6




L1      STRUCTURE UPLOADED

=>

=> d
L1 HAS NO ANSWERS
L1               STR
```
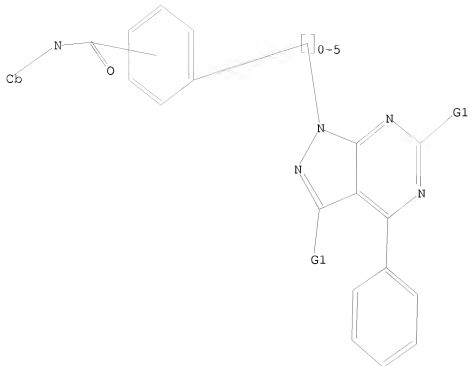
G1 H,Ak,OH,NH2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sam
SAMPLE SEARCH INITIATED 15:52:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      23 TO ITERATE

100.0% PROCESSED      23 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          173 TO     747
PROJECTED ANSWERS:               1 TO      80

L2          1 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 15:52:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     281 TO ITERATE

100.0% PROCESSED     281 ITERATIONS                         10 ANSWERS
SEARCH TIME: 00.00.01

L3         10 SEA SSS FUL L1
```

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```
=> fil capl
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                              178.36      178.57

FILE 'CAPLUS' ENTERED AT 15:53:03 ON 02 DEC 2008
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FILE COVERS 1907 - 2 Dec 2008  VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008  (20081130/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> s l3
L4            1 L3

=> d l4 ibib abs
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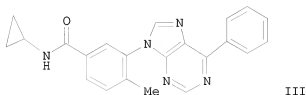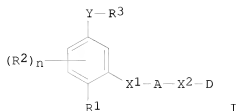
10584076

```
L4    ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        2005:612301  CAPLUS
DOCUMENT NUMBER:         143:153230
TITLE:                   Preparation of substituted purines and other bicyclic
                         heterocycles as p-38 kinase inhibitors
INVENTOR(S):             Dong, Qing; Wang, Jianqiang; Lan, Jiong; Lang,
                         Hengyuan
PATENT ASSIGNEE(S):      Triad Therapeutics, Inc., USA; Novartis Pharma AG
SOURCE:                  PCT Int. Appl., 149 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

       PATENT NO.           KIND   DATE       APPLICATION NO.        DATE
       --------------       ----   --------   --------------------   --------
       WO 2005063766        A2     20050714   WO 2004-US43682        20041223
       WO 2005063766        A3     20050909
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
              LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
              NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
              TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
          RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
              AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
              EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
              RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
              MR, NE, SN, TD, TG
       AU 2004309420        A1     20050714   AU 2004-309420         20041223
       CA 2548326           A1     20050714   CA 2004-2548326        20041223
       EP 1699800           A2     20060913   EP 2004-815697         20041223
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
       CN 1898243           A      20070117   CN 2004-80038275       20041223
       BR 2004018112        A      20070417   BR 2004-18112          20041223
       JP 2007517052        T      20070628   JP 2006-547489         20041223
       IN 2006CN02266       A      20070608   IN 2006-CN2266         20060622
       MX 2006PA07314       A      20060809   MX 2006-PA7314         20060623
       US 20070142405       A1     20070621   US 2006-584076         20060823
PRIORITY APPLN. INFO.:                        US 2003-532529P     P  20031223
                                              US 2004-575113P     P  20040528
                                              WO 2004-US43682     W  20041223
OTHER SOURCE(S):         CASREACT 143:153230; MARPAT 143:153230
GI
```

I

III

AB   The present invention discloses preparation of bicyclic heterocyclic compds.,
     such as I [R1 = halo, alkyl, cycloalkyl, alkynyl, haloalkyl, alkoxy,
     haloalkoxy, NR4R5, OR4; R2 = alkyl, cycloalkyl, halo, trifluoromethyl,
     trifluoromethoxy, CN, NR4R5, OR4, etc.; R3 = H, alkyl, cycloalkyl, OR4,
     heteroaryl, heterocycle; R4, R5 = H, alkyl, cycloalkyl; n = 0-2; Y =
     C(:O)NH, NHC(:O), NHC(:O)NH, SO2NH, NHSO2, CO; X1 = single bond, alkylene,
     O, S, SO2, CO, CONH; A = bicyclic heterocycle; X2 = single bond, alkylene,
     O, S, NH, alkylamino, SO2, CO, CONH; D = monocyclic or bicyclic aromatic or
     nonarom. ring containing up to four heteroatoms], or a pharmaceutically
     acceptable derivs. thereof, for their therapeutic use as p38 kinase,
     including p38α and p38β kinase, inhibitors. Thus,
     N-cyclopyropyl-3-hydrazino-4-methyl-benzamide (also prepared) was reacted
     with aminomalononitrile p-toluene sulfonate to afford
     3-(5-amino-4-cyano-imidazol-1-yl)-N-cyclopyropyl-4-methyl-benzamide, which
     on reaction with phenylmagnesium bromide, provided
     3-(5-amino-4-benzoyl-imidazol-1-yl)-N-cyclopyropyl-4-methyl-benzamide
     (II). A mixture of benzamide derivative II, formamide and acetic acid was
     heated in the microwave to afford purine derivative III. Pharmaceutical
     compns. containing I are also provided. Methods of treatment, prevention or
     amelioration of one or more symptoms of p38 kinase mediated diseases and
     disorders, including, but not limited to, inflammatory diseases and
     disorders are also provided.

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=>

---Logging off of STN---


=>
Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                    ENTRY     SESSION
FULL ESTIMATED COST                                  3.39      181.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                    ENTRY     SESSION
CA SUBSCRIBER PRICE                                 -0.80       -0.80

STN INTERNATIONAL LOGOFF AT 15:53:30 ON 02 DEC 2008
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